

MINUTES OF THE BOARD OF PUBLIC WORKS
Tuesday October 25, 2022

The Regular Meeting of the Board of Public Works held on October 25, 2022 at 7:30 a.m. in the City Council Chambers located at 405 Jefferson Street, Washington, Missouri. The following were present/absent:

MEMBERS:

Chairman	John Vietmeier	Present
Vice Chairman	Brad Mitchell	Present
Secretary	Mike Radetic	Present
Member	Steve Richardson	Present
Ex-officio Member	Steve Strubberg	Present
Ex-officio Member	Vacant	

OTHERS:

Council Representative	Mike Coulter	Present
Council Representative	Duane Reed	Absent
Mayor	James Hagedorn	Present
City Administrator	Darren Lamb	Absent
Public Works Director	John Nilges	Present
Public Works Superintendent	Kevin Quaethem	Absent
Water/Wastewater Admin. Asst.	Sarah Skeen	Present
Assistant City Engineer	Andrea Lueken	Absent
Waste Water Foreman	Kerry Duke	Present
Water Foreman	Chad Alfermann	Absent

Originals and/or copies of agenda items of the meeting, including recorded votes are available on record in the office of the Public Works Department for one year. Video/DVD and audio tapes are kept only until the minutes have been approved for the meeting. DVD copies of this meeting are distributed to Board Members if requested.

Minutes

A motion made by Mr. Richardson and seconded by Mr. Mitchell to approve the minutes from the regular meeting held September 27, 2022 meeting. The motion passed without dissent.

Priority Items

None

Wastewater

In the last meeting, Kevin indicated that Insituform, the slip lining project from last year, had a final pay. He inadvertently forgot the retainage as part of that. With any contract, we have ability to retain up to 5%, we hold it back for close out. The job has been closed out and this is just the final pay of that contract. It is not an addition. We are asking for your approval to move forward to council to get that paid. A motion to pay Insituform \$23,141.44 was made by Mr. Mitchell and seconded by Mr. Richardson. The motion passed without dissent.

While we are talking about slip lining, Kerry started doing some cameraing and general maintenance and looking at what this year's budget year looks like for that project. I believe we have \$430,000.00 budgeted out of three different funding accounts to do slip lining. We have about \$170,000 that we have already identified and we are looking to get the remainder done. Typically, we latch on to a cooperative purchasing contract with the City of Independence. They go out to bid, since they have a similar system as ours they allow us to latch onto their contract; for unit pricing and those type of things. It is a short cut way to try to get that done faster. Insituform did not renew that with Independence due to pricing increases. As you have probably heard, the resin fiberglass world is extremely volatile, and no one is doing cooperative purchasing. I do have specifications that I have drafted up and we have to send this out to bid this year, I would not be surprised if pricing increases were approaching 50-70% higher of what they have been in the past. The dollars we have are not going to go as far as they have in previous years. It is important that we continue with the program, we do have a goal set for the next 6-7 years to have the vast majority of our sewer lines slip lined. Capital Improvement Sales Tax, Sanitary Sewer Fund, and the Stormwater Fund, is a new funding source that we are able to use. We got a lot done in the past couple years but it is not going to go as far.

Is there a way to prioritize and minimize for six months to see if some of these prices comes down? We could look into holding off towards the end of the budget year rather trying to do it in the winter and roll into summer. There is a 7% increase in concrete and a 15% in asphalt going into next spring. The \$680 billion infrastructure plan that Congress set forth last fall, those dollars have not hit the market yet. Those funds are still in grant world. The risk is that prices are just going to go up because there is not enough suppliers and people to do the work and the money is just flowing like crazy. The risk is on the side of getting it done as fast as we can because I don't think that it is going to come down. With that, we have grants with DNR, and we should know something in the next couple of months. Sewer line extension, water tower, and the work on Front Street.

There is a 10-year projection based on revenue coming in and 10 year expenditures that we have to put together every year. I did a conservative CPI escalator of 3% on the revenue side, and we start to see this turn around quickly. Maybe all we have to do is put in verbiage in the ordinance that a CPI escalator goes in, rather than having to do a rate increase plus a CPI escalator. It is not as dire as the water fund, but with that, it is volatile with the market. Pipes have doubled.

How much more do we have to slip line? Is this an ongoing project? Capital Improvement Sales Tax, a substantial amount was allocated, but it got pushed to the back. It is back loaded instead of front loaded. A couple of years ago, I worked with Mark Piontek, to see if we could utilize Stormwater Fund money, there is \$3.5 million in there. I asked, "If a sewer problem is caused by storm water, can I use the storm water fund", and the answer was yes. As far as what we have to get done we have on our GIS. We are trying to get that so we can give you that information. A lot of the 12", 10", and 8" sewer has already been done in previous years. It is the 6" stuff in the downtown area that they could not do at the time, because they did not have the little robots to cut the sewer laterals out. We might have 50% of the town done, 5th Street to the North, and everything to the South is PVC. The Wastewater department has been doing it with limited resources for quite some time; it is the Stormwater fund that really kicked it into high gear.

The new sanitary sewer lateral program that went into effect in January. We projected 20 people to take advantage of that. We have had about 9 or 10 and I only have had one person turn it down. Out of the 10, those 10 would not have replaced the sewer line underneath the street. They would have just gone to the back of the curb because they could not afford it. That reimbursement that we are giving to the property owners of \$4,000 is going a long way. A spot repair might cost \$1,000 or they could replace the whole sewer line for \$10,000; get the \$4,000 back, and still be in the hole for \$6k.

Water

Design bill for Cochran for the Storage Tank. We had a meeting a month ago to move into 90% plans. It is a straight forward project, but pricing is so volatile, I have no clue what the number is going to come in at. We do have the MDNR grant to offset some of the costs. The funding sources are the Water Fund and Capital Improvement Sales Tax. If we are unsuccessful with MDNR, we also applied to Franklin County with their ARPA funds to offset some of these inflationary costs. Our ARPA funds pay into this as well. We will go out for bids December or January and get going in the Spring. A motion to pay Cochran \$3,748.00 was made by Mr. Richardson and seconded by Mr. Mitchell. The motion passed without dissent.

Other

Stone Crest in Fairfield now have two sources of water coming to it; something that has been in the works for 25 years, so that is a huge deal. I know that there are concerns about South Point Road being closed and the Special Road District is working towards getting that paved out but our water line over there is a big deal for the residents out in that area.

Old Business

None

Next Scheduled Meeting Date

The next scheduled meeting date is Tuesday November 22, 2022.

Adjourn

There being no further business the meeting adjourned on a motion by Mr. Mitchell and seconded by Mr. Richardson. All in favor aye, those oppose, none. We are adjourned.

Prepared by: _____
Sarah Skeen
Water/Wastewater
Administrative Assistant

Adopted and Approved by the Board of Public Works:

Date: _____ Signature: _____
Secretary

Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/22/22
Re: Trojan Technologies WWTP Lamp Repair - Pay Request

Attached is the pay request in the amount of \$20,961.07, Invoice #2003688, from Trojan Technologies for lamp repair at the Wastewater Treatment Plant for the City of Washington. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	<u>\$20,961.07</u>

Amount Due	<u>\$20,961.07</u>
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Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman

trojan uv systems

INVOICE
200 / 3688
Original

TROJAN
 technologies
TROJAN TECHNOLOGIES
 3020 GORE ROAD
 LONDON, ON N5V 4T7
 CANADA
 www.trojantechnologies.com

Sold to
 City of Washington
 400 Jefferson Street
 Washington MO 63090-0000
 UNITED STATES

Ship to
 City of Washington
 200 Kingsland Dr
 Washington MO 63090-3815
 UNITED STATES

Cust. Service Contact	: tuvcustomerservice@trojantechnologies.com	Sales Order	: 010001998
Invoice Contact	: accountsreceivable@trojanuv.co	Order Date	: 10-18-2022
Our VAT/TAX No	: 98-1343341	Invoice Date	: 10-20-2022
Payment Terms	: 0% / 00 / 30 net	Final Destination Country	: US
Delivery Terms	: DELIVERED DUTY PAID	Customer No	: 100004644
Carrier/LSP	:	Customer PO	: VERBAL GARY
Resale #	:	Shipment Date	: 10-20-2022
Packing Slip	: OS0009187	Sold To VAT/TAX No	: 43-6003962
		Ship To VAT/TAX No	: 43-6003962

GARY BOGUE 6363901031
GBOUGE@WASHMO.GOV

Line	Project	Ordered Quantity	Price	Unit Net Price	Tax Rate	Amount
Item		Delivered Quantity	Discount	Net Amount	Tax Amount	
Description						
1		50.00		408.00	0.00%	
794447-ORD		50.00	408.00/ EA	20,400.00	0.00	20,400.00
LAMP P, GA64T6HE ANGLE BASE			0.00%			
HONORING PRE-INCREASE PRICING						
2		5.00		2.50	0.00%	
316144P		5.00	2.50/ EA	12.50	0.00	12.50
O-RING, SLEEVE SEAL UV3+			0.00%			
3		1.00		548.57	0.00%	
FREIGHT		1.00	548.57/ EA	548.57	0.00	548.57
FREIGHT & HANDLING			0.00%			
	Goods	20,412.50	Discount	0.00	Tax Amount	Total USD
	Costs	548.57	Subtotal	20,961.07	0.00	20,961.07

~~VENDOR # _____ INVOICE # _____~~
~~ACCOUNT CODES _____ PROJECT # _____ AMOUNT _____~~
~~EXTENSION CHECKED _____ PRICES CHECKED _____~~
~~SUPERVISOR APPROVAL _____~~
 DATE ENTERED _____ BATCH # _____

INVOICE
200 / 3688
Original



TROJAN TECHNOLOGIES
3020 GORE ROAD
LONDON, ON N6V 4T7
CANADA
www.trojantechnologies.com

FOR CAD CHEQUES

Trojan Technologies Group ULC
C/O T10539
PO BOX 4388, STN A
TORONTO, ON M6W 3S1

Chicago, IL 60689-5337
Fifth Third Bank
Lockbox # 233730
3730 Momentum Place
Chicago, IL 60689-5337

GST# 743267328 RT0001 BC PST# 1099-3713
QST# 1212591056 SK PST# 6882367
ABN/GST# 89 315 683 549 MB PST# 743267328MT001

FOR USD ACH, WIRES AND EFT PAYMENTS

Scotiabank
ACCOUNT NO: 00042-002-000420286510
SWIFT CODE: NOSCCATT
ABA ROUTING: CC000247696
BENEFICIARY: TROJAN TECHNOLOGIES GROUP ULC

FOR CAD ACH, WIRES AND EFT PAYMENTS

Scotiabank
ACCOUNT NO: 00042-002-000420321419
SWIFT CODE: NOSCCATT
ABA ROUTING: CC000247696
BENEFICIARY: TROJAN TECHNOLOGIES GROUP ULC

INVOICE

200 / 3688

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technologies™

TROJAN TECHNOLOGIES
3020 GORE ROAD
LONDON, ON N5V 4T7
CANADA
www.trojantechnologies.com

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TROJAN UV

Aquafine

VIQUA

scisnes
Filter

PALL Water

for use in ...



ORDER ACKNOWLEDGEMENT

010001998

TROJAN TECHNOLOGIES
 3020 GORE ROAD
 LONDON, ON N5V 4T7
 CANADA
 T. 519-457-3400
 www.trojantechnologies.com

Sold to
 City of Washington
 400 Jefferson Street
 Washington MO 63090-0000
 UNITED STATES

Ship to
 City of Washington
 200 Kingsland Dr
 Washington MO 63090-3815
 UNITED STATES

PN 511342
 511342

Customer Service Contact: tuvcustomerservice@trojantechnologies.com

Tax Code :98-1343341
 Final Destination Country :US
 Payment Terms :0% / 00 / 30 net
 Delivery Terms :DELIVERED DUTY PAID
 Carrier :
 Resale # :

Internal Sales Representative: Fady Alaloul
 Customer No. :100004644
 Customer PO :VERBAL GARY
 Order Date :10-18-2022
 Shipment Date :10-25-2022
 Sold-To Tax ID :
 Ship-To Tax ID :43-6003962

GARY BOGUE 6363901031
 GBOUGE@WASHMO.GOV

Line	Project	Quantity	Price	Unit Net Price	Tax Rate	Amount	
Item			Discount %	Net Amount	Tax Amount		
Description							
10	511342	50.00	408.00/ EA	408.00	0.00 %		
794447-ORD				20,400.00	0.00	20,400.00	
LAMP P, GA64T6HE ANGLE BASE							
HS Code :8539490040							
Country of Origin :DE							
HONORING PRE-INCREASE PRICING							
20	511342	5.00	2.50/ EA	2.50	0.00 %		
316144P				12.50	0.00	12.50	
O-RING, SLEEVE SEAL UV3+							
HS Code :4016935050							
Country of Origin :CN							
30	511342	1.00	/ EA	0.00	0.00 %		
FREIGHT				0.00	0.00	0.00	
FREIGHT & HANDLING							
HS Code :							
Country of Origin :							
		Goods	20,412.50	Discount	0.00	Tax Amount	Total USD
		Costs	0.00	Subtotal	20,412.50	0.00	20,412.50



TROJAN TECHNOLOGIES
3020 GORE ROAD
LONDON, ON N5V 4T7

PACKING SLIP / DELIVERY NOTE

OS0009187

Order: 010001998

Print Date: 10-20-2022
Whse: 100130

Shipped To
City of Washington
200 Kingsland Dr
Washington MO 63090-3815
UNITED STATES

Sold-to
City of Washington
400 Jefferson Street
Washington MO 63090-0000
UNITED STATES

PN 511342
511342

Order Number : 010001998
Payment Terms : 0% / 00 / 30 net
Delivery Terms : DELIVERED DUTY PAID
Carrier/LSP :
Resale # :
Sold-To Tax ID :
Ship-To Tax ID : 43-6003962
Project : 511342

Federal Tax ID :
Customer No. : 100004644
Customer PO : VERBAL GARY
Order Date : 10-18-2022
Shipping Date : 10-25-2022
Contact : tuvcustomerservice@trojantechnologies.com

Project LineItem Description	Ordered	Delivered	Unit	Back Order
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GARY BOGUE 6363901031
GBOUGE@WASHMO.GOV

10	794447-ORD LAMP P, GA64T6HE ANGLE BASE HS Code : 8539490040 Country of Origin: DE LAMP, GA64T6HE ANGLE BASE Patent No. 8,167,654 and Canadian Patent No. 2,613,147 HONORING PRE-INCREASE PRICING	50.0000	50.0000	EA	0.0000 ✓
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20	316144P O-RING, SLEEVE SEAL UV3+ HS Code : 4016935050 Country of Origin: CN	5.0000	5.0000	EA	0.0000 ✓
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TROJAN TECHNOLOGIES
 3020 GORE ROAD
 LONDON, ON N5V 4T7

PACKING SLIP / DELIVERY NOTE

OS0009187

Order: 010001998

Print Date: 10-20-2022
 Whse: 100130

# of Packages	Freight			
1 Box				
Weight	Dimensions			Pcs/Skid
48	67	17	X 12	
	X		X	
	X		X	

Picked By: SN
 Packed By: GK

We Thank You For Your Order

DAMAGE GOODS MUST BE REPORTED
 WITHIN 48 HOURS OF RECEIPT
 Patent: www.trojantechnologies.com/patents
 FREE LAMP RECYCLING FOR GENUINE CUSTOMERS



TROJAN TECHNOLOGIES
 3020 GORE ROAD
 LONDON, ON N5V 4T7

PACKING SLIP / DELIVERY NOTE

OS0009187

Order: 010001998

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 Whse: 100130

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SERVICE ESTIMATE

Customer: City of Washington, MO
Contact : Kerry Duke
Date: 10/26/2022
Phone: 636-667-7473
Fax: 636-390-1068
Project: Flygt 3202 Repair Quote

Quote #: 7048104 Opp #: OP-561089

Vandevanter - Municipal
1550 Larkin Williams Road

Fenton, MO 63026
Phone: 636-343-8880
Fax: 636-343-1720



Dear Kerry,

We are pleased to offer the following estimate for your review.

Line No	Quantity	Description of Unit	Net Each	Net Ext.
1		1432021803645W Serial Number - 1169003 ■ Pump repair estimate for the Flygt 3202.180, serial #1169003, per the attached repair report.		
	1.00	■ REPAIR PARTS		
			Materials	\$13,860.12
			Labor	\$2,295.00
			Total	\$16,155.12

Disassembly, Cleaning, Inspection and Estimating Charge

\$945.00

Amount due if this unit is not repaired. An invoice for this charge will automatically generate within 90 days of this estimate. This charge is for DCI (Disassembly, Clean and Inspect). All units left at our facility for more than 6 months will be scrapped unless written notification is received.

Delivery: 6 - 8 week(s) after receipt of P.O.
FOB Point: Shipping Point
Terms of Payment: Upon Receipt
Freight: Best Way - PPD/ADD
Quote Validity: 15 Days

Thank you for the opportunity to provide you with this estimate. Please let us know how you would like to proceed.

Quoted By:
Eric Steffen
esteffen@coagentcompanies.com

Salesrep:
Nick Santangelo
nsantangelo@vandevanter.com

STANDARD TERMS AND CONDITIONS

Price is FOB shipping point and does not include any freight charges. Price does not include any applicable duties or sales tax, use tax, excise tax, value-added or other similar taxes that may apply to this equipment and/or project. Unless specifically stated, price does not include manual or automatic controls, starters, protective or signal devices, wiring, anchor bolts, gauges, vibration isolation devices, installation, startup or testing.

If the price is included in a proposal, the price is firm for receipt of an order within 15 days of the date shown on the proposal. Any additional terms and conditions included in the proposal are specifically included in these terms and conditions.

Unless otherwise expressly agreed to in writing by Seller, all shipments are FOB Seller shipping point at which point title also transfers.

Payment is due upon receipt of the invoice. An interest charge of 1-1/2% per month will be added to past due balances. Retainage of any invoiced amount is unacceptable unless specifically agreed to by Company at the time of order, and shall in no case exceed a period of 120 days. If payments are not timely received by Company, and this account is turned over to an attorney for collections, Customer agrees to pay all reasonable costs and attorney fees incurred in collection of the past due amounts.

Payment of 'commercial transaction' invoices by credit card will be charged a fee based upon Cogent's average discount rate for credit card transactions for the prior calendar year. This fee will change annually and is currently 2.55%.

All equipment either rented from or through Company is subject to all of the terms and conditions listed on the back of the rental contract. Pricing does not include any overtime running of power equipment.

In no event shall Company's obligations and liabilities under this Agreement include any direct, indirect, punitive, special, incidental or consequential damages or losses that Customer may suffer or incur in connection with this sale, service or rental, including, but not limited to, loss of revenue or profits, damages or losses as a result of Customer's inability to operate, perform its obligations to third persons or injuries to goodwill; nor shall Company's liability extend to damages or losses Customer may suffer or incur as a result of such claims, suits or other proceedings made or instituted against Customer by third parties. Customer remises, releases and discharges Company from any and all liability or damages which might be caused by failure to deliver any equipment within the agreed time by Company.

Customer shall be responsible for determining the good operating condition of all materials and equipment prior to accepting the materials and equipment. NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE UNLESS THE SAME IS SPECIFICALLY SET FORTH IN WRITING AND ACCEPTED IN WRITING BY COMPANY, BUT IN SUCH CASE THE WARRANTY OR GUARANTEE IS LIMITED AS ABOVE PROVIDED. Notwithstanding the foregoing, Company will pass through to the Customer any warranty provided by the manufacturer of any equipment supplied by Company.

Customer covenants and agrees to defend, indemnify and hold Company harmless from any claims, damages or liability arising out of the use, maintenance or delivery of the equipment or materials purchased or rented hereunder. Customer shall further defend, indemnify and hold Company harmless from any and all damages to third persons or to property caused by Customer's use or possession of the equipment or materials, to the fullest extent allowable by law.

In connection with a proposal, if Customer has any further questions or comments regarding the proposal, please feel free to contact Company. If the proposal meets with Customer's approval, please sign, date and mail or fax a copy of the proposal back to Company's office, and the identified equipment will be ordered and/or scheduled for delivery.

This agreement shall be governed by the laws of the state where the Company's branch office is located from which the equipment is rented or purchased. Customer further agrees that venue and jurisdiction shall be appropriate in the county in which Company's branch office is located from which the equipment was rented or purchased. Any provisions hereof which may prove unenforceable under any law shall not affect the validity of any other provision hereof.

Revised March 2022



COGENT

Vandevanter Engineering Service Center

Opportunity Number	OP-561089	Date	10/26/2022
PQ/Order Number	7048104	Salesman	Nick S
Customer	Washington, MO	Customer Stock #	
Contact Name, First	Kerry	Service Type	Service
Contact Name, Last	Duke	Brand	Vandevanter Engineering
Contact Phone		Market	Municipal
Contact Cell	636-390-1030	Fluid Being Pumped	
Contact Email		Equipment Location/Station	

Manufacturer	FLYGT
Model	3202.180-3645
Serial #	1169003
Item Type / Description	
Additional Items	None
Level of Repair	L2 - Full DCI with Clearances Noted, Sandblasting, Estimate with Pictures, and Repair Report

DCI Technician	Andrew Waddell	DCI Date	10/28/2022
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Pump As Found/Received

Notes:



Initial Inspection					
HP	60	FLA	68	Voltage	460V
Phase	Three	RPM	1770	IMP Code	462
Power Cable Length	48'	Power Cable Condition	Good	Cable Disposition	Reuse
Sensor Cable Length		Sensor Cable Condition		Paint Color & Type	
FLS Sensor Model	FLS-10	FLS OHM Standard Open	1200	FLS OHM Actual Open	1.208
		FLS OHM Standard Closed	430	FLS OHM Actual Closed	
Thermal Sensor	Flygt	Thermal OHM Standard	< 1	Thermal OHM Reading	
Bearing Sensor Model		Bearing OHM Standard		Bearing OHM Actual	
Control Box		Control Box Condition			
Condition Of Oil	Product in Oil	Mechanical Seal Pressure Test	Fail		

Electrical Inspection									
OEM Ohm Standard	R/B	0	R/W	0	B/W	0	Junction Chamber Cond	Clean & Dry	
Cable OHM Reading	R/B	0.204	R/W	0.204	B/W	0.203	Junction Therm Reading		
Junction OHM Reading	R/B		R/W		B/W		Junction FLS Reading		
Cable Meg Reading	R	19g	B	19g	W	19g	Electrical Notes:		
Junction Meg Reading	R		B		W				
Does the Pump Pass Electrical Checks?			Pass						

Wet End	
Volute Condition	<input type="text"/>
Discharge Flange	<input type="text"/>
Discharge Size	<input type="text"/>
	<input type="text"/>
Notes:	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	
Wet End Disposition	Reuse

Impeller

Condition Minimal Wear

462 Impeller Clearance

Balance Required? No

Notes:

Impeller is in good condition to reuse.



Impeller Disposition

Reuse

Mechanical Seals

Upper Seal Condition Severely Worn

Lower Seal Condition Severely Worn

Seal Material	Upper	Tungsten Carbide
	Lower	Tungsten Carbide

Seal Fit on Shaft	Upper	
	Lower	

Notes:

Coolant had product in it which points to a seal fail.



Upper Seal Disposition

Replace

Lower Seal Disposition

Replace

Bearing Housing

Housing Condition Minimal Wear

Bearing Grease Cond. Missing

Bearing Condition	Upper	Severely Worn
	Lower	Severely Worn

Bearing Housing Fit	Upper	
	Lower	

Notes:

Bearing housing is in good condition to reuse.



Housing Disposition

Reuse

Rotor

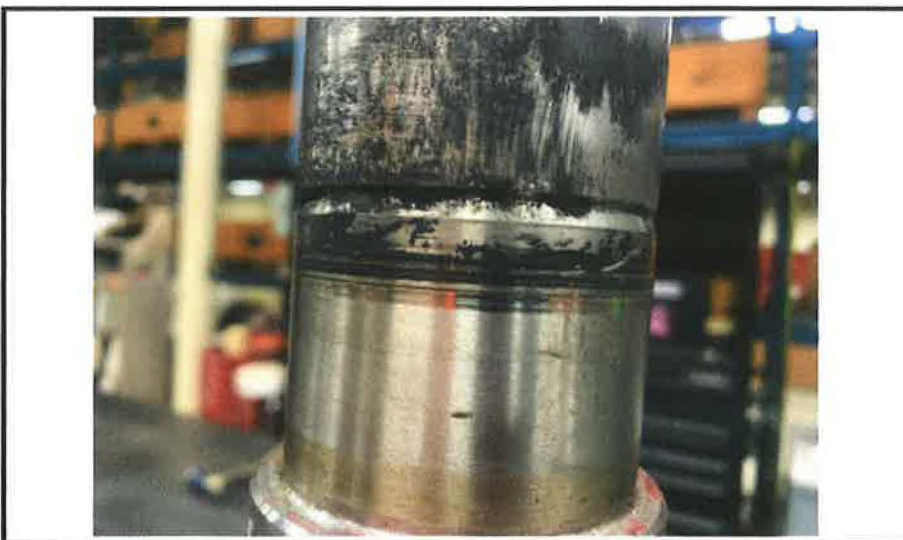
Rotor Condition Severely Worn

Bearing Condition	Upper	Severely Worn
	Lower	Severely Worn

Rotor Shaft Fit	Upper	
	Lower	

Notes:

Inner portion of the plug in seal damaged the shaft.



Rotor Disposition

Replace

Bearing Disposition

Replace

Stator

Wash and Bake? Yes

Winding Analyzer Pass

Notes:

Stator is in good shape to continue use.



POST BAKE ELECTRICAL RESULTS:						
OHM Reading	R/B	0.18	R/W	0.181	B/W	0.18
Meg Reading	R	19g	B	19g	W	19g
Thermal	0.2					

Stator Disposition Reuse

Additional Notes & Findings

Item 1:

Item 2:

Conclusions

O-Rings Condition	Squared	Bin Location	VK2A
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Primary Cause of Failure

Cable and electrical checks passed and cable is in reuseable condition. What little coolant was in the pump was dirty and had product in it. After the seals failed, its likely that the coolant leaked outt and caused a low coolant condition, which could cause the overtemp situation. After removing the bearings and seals, the shaft was found scarred from a the seal coming apart.

Additional Notes & Suggestions

Parts Required

SANDBLASTING	DOW CAL 200 30 PERCENT	SHAFT/ROTOR UNIT
	BASIC REPAIR KIT	

Inspection Reviewed By	Blake Wild	Date	10/31/2022
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Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/22/2022
Re: Cochran Engineering South Point Ground Water Storage Tank – Pay Request #6

Attached is pay request #6 for \$7,496.00, Invoice #25185, from Cochran for the design, geotechnical investigation and construction administration of the Southpoint Ground Water Storage Tank. Payment is recommended and the status is summarized below:

Contract Amount	\$74,960.00
Change Orders	\$ 0.00
Previous Pay Requests	\$22,488.00
Current Pay Request #6	\$7,496.00
Balance of Contract	\$44,976.00

Approved by: _____ Date: _____
John Vietmeier, Chairman Board of Public Works

City of Washington
 Kevin Quathem
 405 Jefferson Street
 Washington, MO 63090

Invoice number 25185
 Date 11/07/2022
 Project 22-9079 Southpoint Ground Water
 Storage Tank

		Amount		
Southpoint Ground Water Storage Tank				
	Contract Amount	74,960.00		
	Percent Complete	40.00		
	Prior Billed	22,488.00		
			Current Billed	7,496.00
			Total	7,496.00
			Invoice total	7,496.00

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
25059	10/11/2022	3,748.00	3,748.00				
25185	11/07/2022	7,496.00	7,496.00				
	Total	11,244.00	11,244.00	0.00	0.00	0.00	0.00

Interest of 1.5% per month will be charged to all accounts past due. Please Reference Invoice Number on Check.

NOTICE TO OWNER:

FAILURE OF THIS CONTRACTOR TO PAY THOSE PERSONS SUPPLYING MATERIAL OR SERVICES TO COMPLETE THIS CONTRACT CAN RESULT IN THE FILING OF A MECHANIC'S LIEN ON THE PROPERTY WHICH IS THE SUBJECT OF THIS CONTRACT PURSUANT TO CHAPTER 429, RSMo. TO AVOID THIS RESULT, YOU MAY ASK THIS CONTRACTOR FOR "LIEN WAIVERS" FROM ALL PERSONS SUPPLYING MATERIAL OR SERVICES FOR THE WORK DESCRIBED IN THIS CONTRACT. FAILURE TO SECURE LIEN WAIVERS MAY RESULT IN YOU PAYING FOR LABOR AND MATERIAL TWICE.

NOTICE: THERE WILL BE A THREE PERCENT (3%) CONVENIENCE FEE ADDED TO ANY PAYMENTS MADE BY CREDIT CARD



PROJECT STATUS REPORT

TO: City of Washington
CC: Kevin Quaethem, John Nilges
FROM: T.J. Garbs
DATE: November 15, 2022
RE: Southpoint Ground Water Storage Tank
Cochran Project No. 22-9079

UPDATE

- A Geotechnical Study was performed to determine the soil's bearing capacity at the site. Five (5) boring locations around the perimeter and center of the tank were staked and bored. The Geotechnical Report with the results has been finished and submitted to the City for their review.
- MoDNR ARPA application was due on July 14, 2022. The tank was selected for the City's ARPA project. Cochran prepared documents to help assist with the application. To Cochran's knowledge, no other assistance is needed for the ARPA grant. MoDNR anticipates notifying grant recipients in November.
- Cochran met with the City to review plans. From the discussion, Cochran has updated tank plans. The plans will be reviewed with the City in the coming weeks.
- Anticipated project schedule is as follows:

Release Plans to Contractors	December 2022
Bid Opening	January 2023
Award Contract	January 2023
Notice to Proceed	March 2023
Construction Complete	November 2023

Chapter 700. Water

Article I. In General

Section 700.140. Backflow Prevention.

[R.O. 1992 § 700.140; Ord. No. 6702 § 1, 6-19-1989]

- A. Because of the nature of their operation and chance that a backflow could accidentally occur, the following types of facilities shall be required to install an approved backflow device in their water service line.

Type Of Facility	Type Of Backflow Device Required*
Beverage bottling plants	AG, or RPD, or DCA
Packing houses	AG, or RPD
Cold storage plants	AG, or RPD
Dairies	AG, or RPD, or DCA
Film laboratories	AG, or RPD
Hospital, medical buildings, sanitariums, morgues, autopsy facilities	AG, or RPD
Nursing or convalescent homes and clinics	DCA
Irrigation system separate from domestic system	AG, RPD
Lawn sprinkling system adjunct to domestic system	DCA
Sewage treatment plant	AG, or RPD
Laundries	RPD
Car washes	RPD
Water loading stations	AG, or DCA
Industries using toxic substances	RPD
Stockyards	RPD
Any other facility which, in the judgement of the Board of Public Works, has the potential for danger to public health from backflow.	
*AG refers to air-gap; RPD refers to reduced pressure backflow device; DCA refers to double-check valve assembly.	

- B. Backflow prevention devices shall be approved by the Superintendent before installation by the customer and shall have been acceptable to the Board of Public Works. Installation shall be inspected and approved by the Water Department.
- C. The customer shall be responsible to maintain all backflow prevention devices in good working order and to make no piping or other arrangements for bypassing the devices.

Current code

- D. Periodic testing and inspection schedules shall be established by the Board of Public Works for all backflow prevention devices. Defined information concerning installation, inspection, and testing, of said devices, in accordance with current Missouri Department of Natural Resources regulations, shall be on file at the office of the Superintendent of the Board of Public Works.
- E. It is further suggested for the safety of any occupants or employees within any building that additional backflow devices may be installed.

Proposed code changes

Section 700.140 Backflow Prevention, Inspection, Maintenance, Discontinuing Service For Violation. [R.O. 1992 § 700.140; Ord. No. 6702 § 1, 6-19-1989]

- A. Because of the nature of their operation and chance that a backflow could accidentally occur, the following types of facilities shall be required to install an approved backflow device in their water service line.

Type Of Facility	Type Of Backflow Device Required*
Beverage bottling plants	AG, or RPD, or DCA
Packing houses	AG, or RPD
Cold storage plants	AG, or RPD
Dairies	AG, or RPD, or DCA
Film laboratories	AG, or RPD
Hospital, medical buildings, sanitariums, morgues, autopsy facilities	AG, or RPD
Nursing or convalescent homes and clinics	DCA
Irrigation system separate from domestic system	AG, RPD
Lawn sprinkling system adjunct to domestic system	DCA
Sewage treatment plant	AG, or RPD
Laundries	RPD
Car washes	RPD
Water loading stations	AG, or DCA
Industries using toxic substances	RPD
Stockyards	RPD

Any other facility, which, in the judgement of the Board of Public Works, has the potential for danger to public health from backflow.

*AG refers to air-gap; RPD refers to reduced pressure backflow device; DCA refers to double-check valve assembly.

- A. Backflow prevention devices shall be approved by the Public Works Superintendent before installation by the customer and shall have been acceptable to the Board of Public Works. Installation shall be inspected and approved by the Water Department.
- B. The customer shall be responsible to maintain all backflow prevention devices in good working order and to make no piping or other arrangements for bypassing the devices.
- C. It shall be the duty of the consumer at any premises on which backflow prevention devices required by this Article are installed to have inspections, tests and overhauls made in accordance with the following schedule or more often where inspections indicate a need.
1. Air-gap separations shall be inspected at the time of installation and at least every twelve (12) months thereafter.

Proposed code changes

2. Double-check valve assemblies shall be inspected and tested for tightness at the time of installation and at least every twelve (12) months thereafter. They shall be dismantled, inspected internally, cleaned and repaired whenever needed.
3. Reduced pressure principle backflow prevention devices shall be inspected and tested for tightness at the time of installation and at least every twelve (12) months thereafter. They shall be dismantled, inspected internally, cleaned and repaired whenever needed.
- D. Inspections, tests and overhauls of backflow prevention devices shall be made at the expense of the water consumer and shall be performed by a Missouri certified backflow prevention device tester.
- E. Whenever backflow prevention devices required by this Article are found to be defective, they shall be repaired or replaced at the expense of the consumer within fifteen (15) calendar days.
- F. The water consumer shall maintain a complete record of each backflow prevention device from purchase to retirement. This shall include a comprehensive listing that includes a record of all tests, inspections and repairs. Records of inspections, tests, repairs and overhauls shall be forwarded to the office of the Public Works Superintendent as directed by the Public Works Superintendent.
- G. Backflow prevention devices shall not be by-passed, made inoperative, removed or otherwise made ineffective without specific authorization by the Public Works Superintendent.
- H. The certified backflow prevention tester, hired by the customer, shall submit test report(s) for each device annually to the office of the Public Works Superintendent. The customer will be deemed in violation if the certified test report is not received by the water provider within sixty (60) days of the annual inspection date and shall be assessed a thirty dollar (\$30.00) late fee.
- I. The Public Works Superintendent shall deny or discontinue, after reasonable notice to the occupants thereof, the water service to any premises wherein any backflow prevention device required by this Article is not installed, tested and maintained in a manner acceptable to the Public Works Superintendent or if it is found that the backflow prevention device has been removed or by-passed or if an unprotected cross-connection exists on the premises. If, in the opinion of the Public Works Superintendent, a serious, immediate threat to public health is posed, then service shall be discontinued without notice.
- J. Water service to such premises shall not be restored until the consumer has corrected or eliminated such conditions or defects in conformance with this Article to the satisfaction of the Public Works Superintendent.



Budget Report Account Summary

For Fiscal: 2022-2023 Period Ending: 10/31/2022

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND							
Revenue							
400-35-000-450600	Penalties/Interest Charges	20,000.00	20,000.00	2,030.19	2,030.19	-17,969.81	89.85 %
400-35-000-450900	Revenues-All Other	15,000.00	15,000.00	2,025.00	2,025.00	-12,975.00	86.50 %
400-35-000-453100	Water Sales	1,870,000.00	1,870,000.00	170,632.23	170,632.23	-1,699,367.77	90.88 %
400-35-000-453200	Water Meter Sales	40,000.00	40,000.00	3,279.55	3,279.55	-36,720.45	91.80 %
400-35-000-453500	Connection Charges	70,000.00	70,000.00	4,800.00	4,800.00	-65,200.00	93.14 %
400-35-000-453550	Tap Charges	1,000.00	1,000.00	0.00	0.00	-1,000.00	100.00 %
400-35-000-453600	Labor & Equipment Charges	1,300.00	1,300.00	0.00	0.00	-1,300.00	100.00 %
400-35-000-453700	Miscellaneous Materials Sold	3,000.00	3,000.00	0.00	0.00	-3,000.00	100.00 %
400-35-000-461700	Rent/Lease-Municipal Property/Bui	35,610.00	35,610.00	4,325.13	4,325.13	-31,284.87	87.85 %
400-35-000-480000	Investment Income	10,000.00	10,000.00	0.00	0.00	-10,000.00	100.00 %
	Revenue Total:	2,065,910.00	2,065,910.00	187,092.10	187,092.10	-1,878,817.90	90.94%
Expense							
400-35-000-510100	Salaries/Wages-Regular	460,990.00	460,990.00	31,242.63	31,242.63	429,747.37	93.22 %
400-35-000-510150	Elected Board Officials Compensati	200.00	200.00	0.00	0.00	200.00	100.00 %
400-35-000-510300	Salaries/Wages-Overtime	21,170.00	21,170.00	144.31	144.31	21,025.69	99.32 %
400-35-000-511100	FICA Taxes	36,870.00	36,870.00	2,261.00	2,261.00	34,609.00	93.87 %
400-35-000-511300	Health Insurance	91,400.00	91,400.00	7,091.93	7,091.93	84,308.07	92.24 %
400-35-000-511400	Dental Insurance	4,910.00	4,910.00	395.94	395.94	4,514.06	91.94 %
400-35-000-511600	Life Insurance	680.00	680.00	45.29	45.29	634.71	93.34 %
400-35-000-511700	LAGERS Retirement Plan	29,880.00	29,880.00	1,946.00	1,946.00	27,934.00	93.49 %
400-35-000-512605	Employee Incentive Program	450.00	450.00	0.00	0.00	450.00	100.00 %
400-35-000-512700	HRA Deductible	9,990.00	9,990.00	0.00	0.00	9,990.00	100.00 %
400-35-000-520250	Administration, Finance & IT Depar	159,600.00	159,600.00	0.00	0.00	159,600.00	100.00 %
400-35-000-520300	Technical Services	28,320.00	28,320.00	520.28	520.28	27,799.72	98.16 %
400-35-000-520400	Other Contracted Services	156,650.00	156,650.00	1,442.83	1,442.83	155,207.17	99.08 %
400-35-000-521540	Uniform Cleaning Service	1,900.00	1,900.00	130.60	130.60	1,769.40	93.13 %
400-35-000-521560	Building Repair & Maintenance	15,000.00	15,000.00	51.05	51.05	14,948.95	99.66 %
400-35-000-521620	Equipment Repair & Maintenance	15,000.00	15,000.00	225.31	225.31	14,774.69	98.50 %
400-35-000-521630	Vehicle Repair & Maintenance	16,800.00	16,800.00	0.00	0.00	16,800.00	100.00 %
400-35-000-521635	Water System Repair & Maintenanc	7,000.00	7,000.00	0.00	0.00	7,000.00	100.00 %
400-35-000-521636	Well Pump Repair & Maintenance	22,700.00	22,700.00	0.00	0.00	22,700.00	100.00 %
400-35-000-521640	Equipment Rental	2,000.00	2,000.00	24.64	24.64	1,975.36	98.77 %
400-35-000-522100	Advertising	500.00	500.00	37.50	37.50	462.50	92.50 %
400-35-000-522200	Property, Liability & Casualty Insura	45,000.00	45,000.00	0.00	0.00	45,000.00	100.00 %
400-35-000-522210	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00	100.00 %
400-35-000-522300	Printing/Duplicating	2,300.00	2,300.00	0.00	0.00	2,300.00	100.00 %
400-35-000-522400	Telephone	5,000.00	5,000.00	535.54	535.54	4,464.46	89.29 %
400-35-000-522500	Training/Seminars	2,500.00	2,500.00	0.00	0.00	2,500.00	100.00 %
400-35-000-522600	Travel	2,000.00	2,000.00	0.00	0.00	2,000.00	100.00 %
400-35-000-522700	Professional Dues & Memberships	4,200.00	4,200.00	0.00	0.00	4,200.00	100.00 %
400-35-000-522900	Postage	14,000.00	14,000.00	1,034.00	1,034.00	12,966.00	92.61 %
400-35-000-522950	Credit Card Fees	22,000.00	22,000.00	2,001.09	2,001.09	19,998.91	90.90 %
400-35-000-530100	Subscriptions	0.00	0.00	14.99	14.99	-14.99	0.00 %
400-35-000-530410	Parts-Vehicle	5,000.00	5,000.00	369.86	369.86	4,630.14	92.60 %
400-35-000-530415	Parts-Equipment	10,000.00	10,000.00	620.13	620.13	9,379.87	93.80 %
400-35-000-530420	Office Supplies	1,200.00	1,200.00	82.50	82.50	1,117.50	93.13 %
400-35-000-530500	Asphalt/Rock/Cement	30,000.00	30,000.00	684.35	684.35	29,315.65	97.72 %
400-35-000-530600	Straw/Seeding/Plants	500.00	500.00	0.00	0.00	500.00	100.00 %
400-35-000-530700	Uniforms & Clothing	3,200.00	3,200.00	371.46	371.46	2,828.54	88.39 %
400-35-000-530800	General Supplies	6,000.00	6,000.00	937.09	937.09	5,062.91	84.38 %

Budget Report

For Fiscal: 2022-2023 Period Ending: 10/31/2022

		Original	Current	Period	Fiscal	Variance	Percent
		Total Budget	Total Budget	Activity	Activity	Favorable (Unfavorable)	Remaining
<u>400-35-000-531110</u>	Electricity	180,000.00	180,000.00	0.00	0.00	180,000.00	100.00 %
<u>400-35-000-531120</u>	Heating Fuel	3,000.00	3,000.00	119.79	119.79	2,880.21	96.01 %
<u>400-35-000-531300</u>	Gasoline & Oil	24,000.00	24,000.00	0.00	0.00	24,000.00	100.00 %
<u>400-35-000-532100</u>	Meters & Hydrants	63,200.00	63,200.00	0.00	0.00	63,200.00	100.00 %
<u>400-35-000-532200</u>	Pipe & Fittings	38,200.00	38,200.00	0.00	0.00	38,200.00	100.00 %
<u>400-35-000-533100</u>	Chemicals	15,000.00	15,000.00	1,275.10	1,275.10	13,724.90	91.50 %
<u>400-35-000-533300</u>	Janitorial Supplies	200.00	200.00	15.80	15.80	184.20	92.10 %
<u>400-35-000-534100</u>	Depreciation Expense	430,000.00	430,000.00	0.00	0.00	430,000.00	100.00 %
<u>400-35-000-534200</u>	SmallTools/Equipment/Furnishings	50,430.00	50,430.00	1,851.38	1,851.38	48,578.62	96.33 %
<u>400-35-000-541100</u>	Improvements Other Than Building	692,000.00	692,000.00	3,748.00	3,748.00	688,252.00	99.46 %
<u>400-35-000-541110</u>	Water System Improvements	300,000.00	300,000.00	0.00	0.00	300,000.00	100.00 %
<u>400-35-000-542100</u>	Vehicles	45,000.00	45,000.00	0.00	0.00	45,000.00	100.00 %
<u>400-35-000-542200</u>	Machinery & Equipment	55,000.00	55,000.00	0.00	0.00	55,000.00	100.00 %
<u>400-35-000-559110</u>	Interest Expense	123,000.00	123,000.00	0.00	0.00	123,000.00	100.00 %
<u>400-35-000-559140</u>	Amortization Bond Issuance Costs	-44,920.00	-44,920.00	0.00	0.00	-44,920.00	100.00 %
<u>400-35-000-559200</u>	Bond/Note Principal	253,000.00	253,000.00	0.00	0.00	253,000.00	100.00 %
	Expense Total:	3,462,520.00	3,462,520.00	59,220.39	59,220.39	3,403,299.61	98.29%
	Fund: 400 - WATER FUND Surplus (Deficit):	-1,396,610.00	-1,396,610.00	127,871.71	127,871.71	1,524,481.71	109.16%
	Report Surplus (Deficit):	-1,396,610.00	-1,396,610.00	127,871.71	127,871.71	1,524,481.71	109.16%

Group Summary

Account Type	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND						
Revenue	2,065,910.00	2,065,910.00	187,092.10	187,092.10	-1,878,817.90	90.94%
Expense	3,462,520.00	3,462,520.00	59,220.39	59,220.39	3,403,299.61	98.29%
Fund: 400 - WATER FUND Surplus (Deficit):	-1,396,610.00	-1,396,610.00	127,871.71	127,871.71	1,524,481.71	109.16%
Report Surplus (Deficit):	-1,396,610.00	-1,396,610.00	127,871.71	127,871.71	1,524,481.71	109.16%

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
400 - WATER FUND	-1,396,610.00	-1,396,610.00	127,871.71	127,871.71	1,524,481.71
Report Surplus (Deficit):	-1,396,610.00	-1,396,610.00	127,871.71	127,871.71	1,524,481.71



		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 410 - SEWAGE TREATMENT FUND							
Revenue							
410-36-000-434600	Sanitary Sewer District	0.00	0.00	4,630.67	4,630.67	4,630.67	0.00 %
410-36-000-450600	Penalties/Interest Charges	30,000.00	30,000.00	2,639.95	2,639.95	-27,360.05	91.20 %
410-36-000-450900	Revenues-All Other	0.00	0.00	400.00	400.00	400.00	0.00 %
410-36-000-454100	Sewer Service Charges	2,500,000.00	2,500,000.00	210,216.03	210,216.03	-2,289,783.97	91.59 %
410-36-000-454125	Surcharge Fees	15,000.00	15,000.00	2,493.17	2,493.17	-12,506.83	83.38 %
410-36-000-454150	Leachate Disposal Charge	40,000.00	40,000.00	850.00	850.00	-39,150.00	97.88 %
410-36-000-454200	Sewer Connection Charges	80,000.00	80,000.00	5,670.00	5,670.00	-74,330.00	92.91 %
410-36-000-480000	Investment Income	3,000.00	3,000.00	0.00	0.00	-3,000.00	100.00 %
410-36-000-480200	Investment Income.-Bond Acct.	230,000.00	230,000.00	0.00	0.00	-230,000.00	100.00 %
	Revenue Total:	2,898,000.00	2,898,000.00	226,899.82	226,899.82	-2,671,100.18	92.17%
Expense							
410-36-000-510100	Salaries/Wages-Regular	231,250.00	231,250.00	20,000.92	20,000.92	211,249.08	91.35 %
410-36-000-510300	Salaries/Wages-Overtime	9,030.00	9,030.00	2.24	2.24	9,027.76	99.98 %
410-36-000-511100	FICA Taxes	18,380.00	18,380.00	1,482.87	1,482.87	16,897.13	91.93 %
410-36-000-511300	Health Insurance	43,440.00	43,440.00	3,763.21	3,763.21	39,676.79	91.34 %
410-36-000-511400	Dental Insurance	2,600.00	2,600.00	226.07	226.07	2,373.93	91.31 %
410-36-000-511600	Life Insurance	320.00	320.00	30.32	30.32	289.68	90.53 %
410-36-000-511700	LAGERS Retirement Plan	14,890.00	14,890.00	1,240.20	1,240.20	13,649.80	91.67 %
410-36-000-512605	Employee Incentive Program	150.00	150.00	0.00	0.00	150.00	100.00 %
410-36-000-512700	HRA Deductible	4,590.00	4,590.00	0.00	0.00	4,590.00	100.00 %
410-36-000-520250	Administration, Finance & IT Depar	112,030.00	112,030.00	0.00	0.00	112,030.00	100.00 %
410-36-000-520300	Technical Services	20,160.00	20,160.00	520.28	520.28	19,639.72	97.42 %
410-36-000-520400	Other Contracted Services	34,150.00	34,150.00	157.17	157.17	33,992.83	99.54 %
410-36-000-521540	Uniform Cleaning Service	900.00	900.00	84.04	84.04	815.96	90.66 %
410-36-000-521560	Building Repair & Maintenance	500.00	500.00	51.05	51.05	448.95	89.79 %
410-36-000-521620	Equipment Repair & Maintenance	27,000.00	27,000.00	171.31	171.31	26,828.69	99.37 %
410-36-000-521630	Vehicle Repair & Maintenance	11,000.00	11,000.00	0.00	0.00	11,000.00	100.00 %
410-36-000-521640	Equipment Rental	2,000.00	2,000.00	24.64	24.64	1,975.36	98.77 %
410-36-000-522100	Advertising	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-000-522200	Property, Liability & Casualty Insura	22,600.00	22,600.00	0.00	0.00	22,600.00	100.00 %
410-36-000-522210	Self-Insurance Deductible	300.00	300.00	0.00	0.00	300.00	100.00 %
410-36-000-522300	Printing/Duplicating	800.00	800.00	0.00	0.00	800.00	100.00 %
410-36-000-522400	Telephone	2,600.00	2,600.00	174.05	174.05	2,425.95	93.31 %
410-36-000-522410	Telephone-Alarm Control	3,000.00	3,000.00	75.06	75.06	2,924.94	97.50 %
410-36-000-522500	Training/Seminars	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00 %
410-36-000-522600	Travel	700.00	700.00	0.00	0.00	700.00	100.00 %
410-36-000-522700	Professional Dues & Memberships	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-000-522900	Postage	6,000.00	6,000.00	517.00	517.00	5,483.00	91.38 %
410-36-000-522950	Credit Card Fees	22,000.00	22,000.00	2,001.09	2,001.09	19,998.91	90.90 %
410-36-000-530200	Lab Supplies	2,450.00	2,450.00	0.00	0.00	2,450.00	100.00 %
410-36-000-530410	Parts-Vehicle	5,500.00	5,500.00	2,882.77	2,882.77	2,617.23	47.59 %
410-36-000-530415	Parts-Equipment	7,500.00	7,500.00	23.81	23.81	7,476.19	99.68 %
410-36-000-530420	Office Supplies	750.00	750.00	63.06	63.06	686.94	91.59 %
410-36-000-530500	Asphalt/Rock/Cement	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00 %
410-36-000-530600	Straw/Seeding/Plants	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-000-530700	Uniforms & Clothing	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
410-36-000-530800	General Supplies	3,050.00	3,050.00	67.98	67.98	2,982.02	97.77 %
410-36-000-531110	Electricity	44,000.00	44,000.00	0.00	0.00	44,000.00	100.00 %
410-36-000-531120	Heating Fuel	3,000.00	3,000.00	119.79	119.79	2,880.21	96.01 %
410-36-000-531300	Gasoline & Oil	16,000.00	16,000.00	0.00	0.00	16,000.00	100.00 %

Budget Report

For Fiscal: 2022-2023 Period Ending: 10/31/2022

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
410-36-000-532200	Pipe & Fittings	7,200.00	7,200.00	8.16	8.16	7,191.84	99.89 %
410-36-000-532270	Manhole Replacement Program	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00 %
410-36-000-533100	Chemicals	1,200.00	1,200.00	0.00	0.00	1,200.00	100.00 %
410-36-000-533300	Janitorial Supplies	400.00	400.00	15.79	15.79	384.21	96.05 %
410-36-000-534100	Depreciation Expense	275,000.00	275,000.00	0.00	0.00	275,000.00	100.00 %
410-36-000-534200	Small Tools/Equipment/Furnishings	39,300.00	39,300.00	218.08	218.08	39,081.92	99.45 %
410-36-000-541100	Improvements Other Than Building	250,000.00	250,000.00	0.00	0.00	250,000.00	100.00 %
410-36-000-541120	Sanitary Sewer System Improve	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00 %
410-36-000-542100	Vehicles	45,000.00	45,000.00	0.00	0.00	45,000.00	100.00 %
410-36-000-542200	Machinery & Equipment	155,660.00	155,660.00	0.00	0.00	155,660.00	100.00 %
410-36-000-559200	Bond/Note Principal	1,055,000.00	1,055,000.00	0.00	0.00	1,055,000.00	100.00 %
410-36-361-510100	Salaries/Wages-Regular	270,080.00	270,080.00	16,257.23	16,257.23	253,822.77	93.98 %
410-36-361-510300	Salaries/Wages-Overtime	9,900.00	9,900.00	962.97	962.97	8,937.03	90.27 %
410-36-361-511100	FICA Taxes	21,410.00	21,410.00	1,247.26	1,247.26	20,162.74	94.17 %
410-36-361-511300	Health Insurance	62,390.00	62,390.00	3,331.39	3,331.39	59,058.61	94.66 %
410-36-361-511400	Dental Insurance	3,010.00	3,010.00	169.48	169.48	2,840.52	94.37 %
410-36-361-511600	Life Insurance	380.00	380.00	22.68	22.68	357.32	94.03 %
410-36-361-511700	LAGERS Retirement Plan	17,360.00	17,360.00	1,067.65	1,067.65	16,292.35	93.85 %
410-36-361-512605	Employee Incentive Program	300.00	300.00	0.00	0.00	300.00	100.00 %
410-36-361-512700	HRA Deductible	6,240.00	6,240.00	0.00	0.00	6,240.00	100.00 %
410-36-361-520250	Administration, Finance & IT Depar	112,030.00	112,030.00	0.00	0.00	112,030.00	100.00 %
410-36-361-520300	Technical Services	17,500.00	17,500.00	688.75	688.75	16,811.25	96.06 %
410-36-361-520400	Other Contracted Services	29,400.00	29,400.00	222.50	222.50	29,177.50	99.24 %
410-36-361-521540	Uniform Cleaning Service	1,200.00	1,200.00	58.08	58.08	1,141.92	95.16 %
410-36-361-521560	Building Repair & Maintenance	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00 %
410-36-361-521620	Equipment Repair & Maintenance	141,000.00	141,000.00	171.31	171.31	140,828.69	99.88 %
410-36-361-521630	Vehicle Repair & Maintenance	4,000.00	4,000.00	1,341.76	1,341.76	2,658.24	66.46 %
410-36-361-521640	Equipment Rental	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522200	Property, Liability & Casualty Insura	29,200.00	29,200.00	0.00	0.00	29,200.00	100.00 %
410-36-361-522210	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522300	Printing/Duplicating	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
410-36-361-522400	Telephone	4,100.00	4,100.00	1,120.93	1,120.93	2,979.07	72.66 %
410-36-361-522500	Training/Seminars	800.00	800.00	0.00	0.00	800.00	100.00 %
410-36-361-522600	Travel	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522700	Professional Dues & Memberships	200.00	200.00	0.00	0.00	200.00	100.00 %
410-36-361-522900	Postage	6,000.00	6,000.00	517.00	517.00	5,483.00	91.38 %
410-36-361-530200	Lab Supplies	7,000.00	7,000.00	0.00	0.00	7,000.00	100.00 %
410-36-361-530410	Parts-Vehicle	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00 %
410-36-361-530415	Parts-Equipment	59,400.00	59,400.00	728.97	728.97	58,671.03	98.77 %
410-36-361-530420	Office Supplies	200.00	200.00	0.00	0.00	200.00	100.00 %
410-36-361-530500	Asphalt/Rock/Cement	5,000.00	5,000.00	140.72	140.72	4,859.28	97.19 %
410-36-361-530600	Straw/Seeding/Plants	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-530700	Uniforms & Clothing	800.00	800.00	0.00	0.00	800.00	100.00 %
410-36-361-530800	General Supplies	1,800.00	1,800.00	0.00	0.00	1,800.00	100.00 %
410-36-361-531110	Electricity	188,000.00	188,000.00	0.00	0.00	188,000.00	100.00 %
410-36-361-531120	Heating Fuel	20,000.00	20,000.00	1,076.58	1,076.58	18,923.42	94.62 %
410-36-361-531300	Gasoline & Oil	4,000.00	4,000.00	2,555.00	2,555.00	1,445.00	36.13 %
410-36-361-532200	Pipe & Fittings	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
410-36-361-533100	Chemicals	25,300.00	25,300.00	0.00	0.00	25,300.00	100.00 %
410-36-361-534100	Depreciation Expense	925,000.00	925,000.00	0.00	0.00	925,000.00	100.00 %
410-36-361-534200	Small Tools/Equipment/Furnishings	14,450.00	14,450.00	1,568.87	1,568.87	12,881.13	89.14 %
410-36-361-541100	Improvements other than Buildings	210,000.00	210,000.00	0.00	0.00	210,000.00	100.00 %
410-36-361-542200	Machinery & Equipment	141,460.00	141,460.00	0.00	0.00	141,460.00	100.00 %
410-36-361-542300	Furniture & Fixtures	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00 %
410-36-361-559110	Interest Expense	369,200.00	369,200.00	0.00	0.00	369,200.00	100.00 %
410-36-361-559120	Agent Fees	50,000.00	50,000.00	0.00	0.00	50,000.00	100.00 %

Budget Report

For Fiscal: 2022-2023 Period Ending: 10/31/2022

	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>410-36-361-559130</u> Amortization of Bond Discount/Pre	-18,800.00	-18,800.00	0.00	0.00	-18,800.00	100.00 %
Expense Total:	5,336,710.00	5,336,710.00	67,170.09	67,170.09	5,269,539.91	98.74%
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-2,438,710.00	-2,438,710.00	159,729.73	159,729.73	2,598,439.73	106.55%
Report Surplus (Deficit):	-2,438,710.00	-2,438,710.00	159,729.73	159,729.73	2,598,439.73	106.55%

Group Summary

Account Type	Original	Current	Period	Fiscal	Variance	Percent
	Total Budget	Total Budget	Activity	Activity	Favorable (Unfavorable)	Remaining
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	2,898,000.00	2,898,000.00	226,899.82	226,899.82	-2,671,100.18	92.17%
Expense	5,336,710.00	5,336,710.00	67,170.09	67,170.09	5,269,539.91	98.74%
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-2,438,710.00	-2,438,710.00	159,729.73	159,729.73	2,598,439.73	106.55%
Report Surplus (Deficit):	-2,438,710.00	-2,438,710.00	159,729.73	159,729.73	2,598,439.73	106.55%

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
410 - SEWAGE TREATMENT FUND	-2,438,710.00	-2,438,710.00	159,729.73	159,729.73	2,598,439.73
Report Surplus (Deficit):	-2,438,710.00	-2,438,710.00	159,729.73	159,729.73	2,598,439.73

Memorandum

TO: Darren Lamb, City Administrator
Board of Public Works

FROM: Kevin Quaethem, Public Works Superintendent

DATE: November 22, 2022

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS – OCTOBER 2022

PROJECT	VENDOR	CONTRACT AMOUNT	PREVIOUSLY APPROVED	CURRENTLY APPROVED	BALANCE
Enduro & Clay St Water Storage Tanks	Cochran Eng.	\$54,000.00	\$49,287.87	\$0	\$ 4,712.13
Interior & Exterior Recoating – Clay St & Enduro Tanks	Worldwide Industries Corp	\$593,500.00	\$535,325.00	\$0	\$58,175.00
Southpoint Ground Water Storage Tank	Cochran Eng.	\$74,960.00	\$22,488.00	\$7,496.00	\$44,976.00

OCTOBER 2022

Water Pumped. 56,390,000 gallons, 1.82 mgd
Wastewater Effluent Flow. 49,220,419 gallons, 1.59 mgd
Missouri One Call Locate messages.....266
Meters Issued as New.3
Meters Replaced0
Meters Issued for Irrigation systems0
Service Requests/Meter Appts./Work Orders.....33
Sewer Routines70
Delinquent Accounts shut off.32

WATER DEPARTMENT FIELD WORK PERFORMED – OCTOBER 2022

1. Shop Maintenance
2. Meter/Swapping/Repair
3. Check Wells/Lift Stations/Heaters
4. Install pipe at Southpoint Road
5. Water break at Rand & Edith
6. Water break at 2318 Rabbit Trail
7. Water leak at Cedar & 6th Street
8. Water break at 1700 Schroeder Drive
9. Curbstop repair at 11 – 3 Southwinds
10. Curbstop repair at 710 East 1st Street
11. Water break at Madison & East 5th St.
12. Water break at 29 Old Orchard
13. Water break at 909 West 9th Street

**WASTEWATER DEPARTMENT FIELD WORK PERFORMED – OCTOBER
2022**

1. Sewer Routines
2. Manhole Inspections
3. Daily Lab work and Routines
4. Clean Process Filters
5. Clean belt press
6. Store sludge in drying beds
7. Sewer back up at 7 Turtle Creek
8. Replace pump at Walnut Street

ROUTINE FIELD WORK

1. Performed rereads as necessary.
2. Performed read-outs on meters (persons moving in and out)
3. Installed reading device receptacles on houses where new/replacement meters were installed.
4. Issued meters and materials to contractors, owners, etc.
5. Took necessary water samples of the distribution system.
6. Maintenance on Wells
7. Flushed hydrants – scheduled routine flushing.
8. Wastewater lab work.
9. Root-sawed and/or cleaned sewer lines where necessary.
10. Hauled sludge.
11. Televised sewer lines.
12. Performed river gauge measurement.
13. Performed sewer and water service main inspections.
14. Located water and sewer lines.
15. Monitored construction of water and sewer mains in new developments.
16. Responded to service call requests.
17. Invoiced for meters, materials and other charges as necessary.
18. Performed maintenance and repairs on buildings, vehicles, and equipment.

Missouri Department of Natural Resources
 Division of Environmental Quality
Microbiological Analysis Report

P.O. Box 176
 Jefferson City, MO 65102
 314--751-5331

Public Water System Name Washington Water Dept.				Laboratory Name			
Street Address 405 Jefferson Street				Franklin County Lab 7419 Hwy 47 Ste. A Union, MO Certification Number 00700			
City Washington		Zip Code 63090					
County Franklin		I.D. Number MO6010838					
Date M/D/Y	Collection Point	Sample Type	Location Code	Sample Results		Chlorine Residual	
				Coliform	E-coli	Total	Free
10.4.22	4 Chamber	R	R-3	A	A	0.26	0.24
10.4.22	1899 E 9th St	R	R-10	A	A	0.72	0.70
10.4.22	105 Washington Heights Dr	R	R-6	A	A	0.91	0.89
10.4.22	1651 W 5th St	R	R-16	A	A	0.46	0.42
10.4.22	1220 Lakeshore Dr	R	R-1	A	A	0.81	0.77
10.11.22	4 Chamber	R	R-3	A	A	0.71	0.69
10.11.22	405 Jefferson St	R	R-4	A	A	0.83	0.78
10.11.22	515 Washington Ave	R	R-2	A	A	1.07	1.00
10.11.22	1220 Lakeshore	R	R-1	A	A	0.70	0.67
10.11.22	1 Nickridge Dr	R	R-15	A	A	0.27	0.26
10.18.22	4 Chamber	R	R-3	A	A	0.82	0.79
10.18.22	601 W 7th St	R	R-14	A	A	0.62	0.56
10.18.22	519 Washington Ave	R	R-12	A	A	0.85	0.77
10.18.22	404 E 2nd St	R	R-13	A	A	1.35	1.24
10.18.22	1 Scenic Dr	R	R-11	A	A	0.75	0.72
Total Routine Samples: 15				Signed: Kristen Wideman		Date: 10.19.22	
Monitoring Violation ___ Yes ___X___ No				Title: Lab Assistant			

Public Water System Name Washington Water Dept.		Laboratory Name					
Street Address Hwy 47		Franklin County Lab Hwy 47 Ste. A				7419 Union, MO 63084	
City Washington		Zip Code 63090				Certification Number	
County Warren		I.D. Number MO6220265				00700	
Date M/D/Y	Collection Point	Sample Type	Location Code	Sample Results		Chlorine Residual	
				Coliform	E-coli	Total	Free
10.18.22	Hwy 47 South	R	R-1A	A	A	0	0
Total Routine Samples: 1			Signed: Kristen Wideman		Date 10.19.22		
Monitoring Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Title: Lab Assistant				
MCL Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							